DIGITAL POCKET MANOMETER

Pressure	Velocity	Volume	Temperature
± 0.4 to 5000 Pa ± 0 to 20.0 inH_2O	0.70 to 90.0 m/sec 138 to 17730 ft/min	13.0 to 555 l/sec 28.0 to 1176 cfm	0 to 500.0°C 0 to 932°F

Pressure:

Velocity with dpm Ane™:

Volume with ST610 - Hood:

Temperature with K-type Probe:

Features:

- Auto Zeroing
- Select Velocity Resolutions
- Monitoring and Downloading Software
- White LED Backlit Display
- 9 Different Locations
- Store up to 4000 Readings
- Analogue Output

Digital Pocket Manometer allows the engineer to select velocity resolution.

With a multi-function white LED backlit display, the auto-ranging, auto-zeroing manometer is able to give true pressure, velocity and live volume readings with optional temperature measurement using K-type probes.

A maximum of 4000 readings can be stored in the manometer at any one time; up to 9 different locations are available. Readings can be downloaded using DpmUsb Software, which can also be used for continuous monitoring utilising the PC to set parameters.

Weighing 360 g, measuring 145 x 85 x 50 mm and powered by 2 AA batteries; the Digital Pocket Manometer is ideal for the modern engineer.

Standard Accessories:

- 2 x 6 mm tubing adaptors (1)
- 3 m x 2 mm bore flexible tubing (2)
- Calibration Certificate
- Instruction Manual
- Rubber Holster
- Soft Lined Case

Optional Extras:

- Analogue Output
- dpm Ane™
- dpm Hood
- DpmUsb Software
- Pitot Static Tubes
- Temperature Probes
- USB Cable

Pressure	Velocity	Volume	Temperature

Models:

ST650 M	ST650 I	ST610 – Ane	ST610 – Hood
●			
●			
●			
●			
	●		
●			
	●		
	●		
●		●	
	●	●	
			●
			●
			●
●	●	●	●
●	●	●	●

Range / Resolution:

Pressure:				
Pa	± 0.4 to 999.9	± 1000 to 5000		
KPa	± 0.4 to 99.9 Pa	± 100 to 999 Pa	± 1.00 to 5.00 KPa	
mbar	± 0.000 to 0.999	± 1.00 to 9.99	± 10.0 to 50.0	
mmH_2O	± 0.000 to 0.999	± 1.00 to 9.99	± 10.0 to 99.9	± 100 to 510
inH_2O	± 0.000 to 0.999	± 1.00 to 9.99	± 10.0 to 20.0	
mmHg	± 0.000 to 0.999	± 10.00 to 37.51		
inHg	± 0.000 to 0.999	± 1.00 to 1.47		
PSI	± 0.000 to 0.726			
Velocity:	dpm Ane™	dpm-i Pitot Tube	Ellipsoidal Pitot Tube	
m/sec	0.70 to 25.0	0.70 to 90.0	0.70 to 90.0	
ft/min	138 to 4921	138 to 17730	138 to 17730	
Volume (Hood mode):				
L/sec	Supply / Extract	13.0 to 99.9	100 to 555	
m^3/hr	Supply / Extract	47.0 to 99.9	100 to 1998	
cfm	Supply / Extract	28.0 to 99.9	100 to 1176	
Temperature (with K – type probe):				
°C	± 0.0 to 500.0			
°F	± 0 to 932			

Accuracy:

Pressure at 20°C,
Velocity with Ellipsoidal type at 16°C, 1000 mbar:
Readings < 100 counts ± 2 counts.
Readings > 100 counts ± 1% of reading ± 1 count

Velocity with dpm-i type at 16°C, 1000 mbar:
± 3% of reading or ± 0.05 m/sec (10 ft/min)
± 1 count whichever is greater.

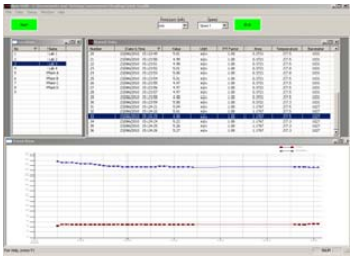
Velocity with dpm-Ane™ at 16°C, 1000 mbar:
Readings up to 8 m/sec (1575 ft/min)
± 1% of reading ± 0.03 m/sec.
Readings from 8 to 25 m/sec (1575 to 4921 ft/min)
± 1 m/sec (197 ft/min).

Volume at 16°C, 1000 mbar:
With Adaptor Plate A and appropriate settings:
Flow < 40 L/sec (144 m^3/hr, 85 cfm)
± 3% of reading ± 2 L/sec (7 m^3/hr, 4 cfm)
With Adaptor Plate B and appropriate settings:
Flow > 40 L/sec (144 m^3/hr, 85 cfm)
± 3% of reading 4 L/sec (14 m^3/hr, 9 cfm)

Temperature at 20°C:
± 2°C (36°F)

DpmUsb Software:

Downloading data:



Monitoring:

DpmUsb Software can be used for downloading data and / or for monitoring.

DpmUsb Software allows the engineer to select the Auto Zero time, the Auto Store time and the default temperature and barometer settings; 10 Pitot Tube Factors and 10 K Factors can be stored on the PC.

Data can be viewed and printed in report and / or graph form; it can also be arranged in a database with the engineer choosing the visible fields, location names and how the data is organised.

The on-screen multi-view display offers a choice of digital monitors and gauges with the maximum and minimum values of all gauges being user set.

Manufactured in UK

In the interest of continuous product development and improvement DP Measurement reserve the right to amend specifications and discontinue models, features and colours of the ST6 Series at any time without prior notice.

DP Measurement
Unit 11, Top Angel, Buckingham Industrial Park
Buckingham, England. MK18 1TH
Tel / Fax +44 (0)1280 817122
www.ttseries.com email dpm@ttseries.com

Distributed by:

Associated Instrument Repairs
Unit 11, Top Angel, Buckingham Industrial Park
Buckingham, England. MK18 1TH
Tel / Fax +44 (0)1280 823823
www.a-i-r.co.uk email air@ttseries.com